

ROZANOV, A.Ye.

Thiamine decomposition in the animal organism [with summary in English]. Biokhimiia 23 no.1:66-70 Ja-F '58. (MIRA 11:3)

1. Kafedra biokhimii Odesskogo gosudarstvennogo meditsinskogo instituta im. N.I.Pirogova.

(VITAMIN B₁, metabolism,
decomposition in white rats (Rus))

ROZANOV, A.Ya.

Assimilation of sulfur from S ³⁵-labeled thiamine by proteins
of the animal organism [with summary in English]. Biokhimiia
23 no.5:707-712 S-O '58 (MIRA 11:11)

1. Kafedra biokhimii Odesskogo gosudarstvennogo meditsinskogo
Instituta imeni N.I. Pirogova, Odessa.

(VITAMIN B1, metab.

assimilation of radiosulfur from labeled prep. by
tissue proteins (Rus))

(PROTEINS, metab.

radiosulfur assimilation from labeled vitamin B1 (Rus))

(SULFUR, radioactive,

assimilation by tissue proteins from labeled vitamin
B1 (Rus))

ROZANOV, A.Ya.

Metabolism of radiosulfur-labeled thiochrome in the organism of white rats. Biokhimiia 24 no.2:267-273 Mr-Apr '59. (MIRA 12:7)

1. Chair of Biochemistry, Medical Institute, Odessa.
(HETEROCYCLIC COMPOUNDS, metab.
iochrome labeled with radiosulfur, in various organs
in rats (Rus))

ROZANOV, A.Ya.

Use of a thiochromatic method for the determination of ~~thiamine~~
S³⁵ in urine. Vop.med.khim. 6 no.2:206-214 Mr-Apr '60.

(MIRA 14:5)

1. Chair of Biochemistry, the "N.I.Pirogoff" State Medical Institute,
Odessa.

(THIAMINE)

ROZANOV, A.Ya.

Production of a mixture of phosphorus esters of thiamine-S³⁵.
Biokhimiia 25 no.2:233-241 Mr-Apr '60. (MIRA 14:5)

1. Kafedra biokhimiia Odesskogo gosudarstvennogo meditsinskogo
instituta imeni N.I.Pirogova.
(THIAMINE)

ROZANOV, A.Ye.

Metabolism of phosphorus esters of S³⁵ - thiamine in the animal organism. Biokhimiia 25 no.6:991-1000 N-D '60. (MIRA 14:5)

1. Chair of Biochemistry, Medical Institute, Odessa.
(THIAMINE) (VITAMIN METABOLISM)

BOZANOV, A. YA. (USSR)

"A Study of the Balance and Breakdown of New Vitamin B Preparations
in the Animal Organism."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

ROZANOV, A. Ya.

Studies on the possibility of introducing non-vitamin sulfur into the thiamine molecule in the animal organism. Vop. pit. 20 no. 1:55-60 Ja-F '61. (MIRA 14:2)

1. Iz kafedry biokhimii (zav. - prof. D.A. TSuverkalov) Odesskogo meditsinskogo instituta imeni N.I. Pirogova.
(SULFUR METABOLISM) (THIAMINE)

L 45665-65 EWA(b)-2/EWA(j)/EWT(1) JK

ACCESSION NR: AP5013170

UR/0016/64/000/009/0123/0129

22
B

AUTHOR: Kirilenko, O. A.; Minervin, S. M.; Rozanov, A. Ya.

TITLE: Labelled tetanus toxin in the animal organism

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1964, 123-129

TOPIC TAGS: experiment animal, toxicology

Abstract: The first experimental results are given on the penetration and distribution of tetanus toxin in the animal organism. When injected intramuscularly into albino mice (1500 LD), the labelled toxin was rapidly absorbed from the blood by lung and kidney cells. Penetration was lowest into the brain, where the concentration was 7-14 times lower than in the blood. When injected intramuscularly into guinea pigs (1000 LD) the labelled toxin disintegrated in the organism and was largely excreted in the bile and urine, chiefly in the form of the non-protein products of decomposition. Orig. art. has 3 figures and 1 table.

ASSOCIATION: Odesskiy meditsinskiy institut im. Pirogova (Odessa Medical Institute)

SUBMITTED: 15May63

ENCL: 00

SUB CODE: LS

NO REF SOV: 003

OTHER: 005

JPRS

Card 1/1 mb

L 30988-66 EWT(1)/EWA(j)/EWA(b)-2 RO
ACC NR: AP5003602 SOURCE CODE: UR/0016/65/000/010/0105/0111

AUTHOR: Kirilenko, O. A.; Minervin, S. M.; Rozanov, A. Ya. 45

ORG: Odessa Medical Institute im. N. I. Pirogova (Odesskiy meditsinskiy institut) 0

TITLE: Absorption of tetanus toxin-I¹³¹ from the muscles and its distribution throughout the organism 6.14

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1965, 105-111

TOPIC TAGS: microbiology, systemic toxin, radioisotope, physiology

ABSTRACT: Previous work has shown the hematogenic route of toxin distribution in tetanus and demonstrated the low permeability of the meninges of the brain to the toxin. In the present work, a more quantitative determination was attempted using purified tetanus toxin labeled with radioactive I¹³¹. The toxin was injected into the right hip muscle of 8 guinea pigs and 25 white mice (susceptible to tetanus) and 8 frogs (refractile) in doses of 0.1, 0.05, and 0.01, respectively. The distribution of the toxin in the body was determined 15, 30, 60, 120 minutes and 22 hours

UDC: 615.372 : 576.851.551-032 : 611.73+615.372 : 576.851-55'1-033

Card 1/2

2

L 30988-66
ACC NR: AP6003602

after injection. In mice and guinea pigs it was found that the initial absorption of toxin from the site of injection is very rapid, there being less than 10% of the injected dose left after 15 min; subsequently the rate of absorption slows down considerably so that even after 22 hours 0.2% of the inoculum was still present. The toxin concentration remained relatively low and dropped drastically in the blood and all other organs examined except in the kidneys. Here the toxin concentration was very high and remained so even after 22 hours. This is considered as evidence of the kidneys' role in elimination of toxin from the body. The least concentration of toxin was found in the brain and no correlation was found between the concentration in the brain and that in the blood. Active absorption and long retention of toxin was observed in the sciatic nerve on the same side as the injection, the concentration there being 10 times higher than in the opposite side. In frogs, the toxin was completely absorbed from the site of injection after 2 hours and relatively evenly distributed among the organs studied. In spite of some loss of activity of the toxin resulting from the labeling procedure, the results of these experiments coincide closely with others performed with natural toxin using biological methods. Orig. art. has: 4 tables.

SUB CODE: 06/ SUBM DATE: 03Mar64/ ORIG REF: 004/ OTH REF: 004

Card 2/2 *lc*

KIRILLENKO, G.I.; KIRILOVIN, S.M.; POKHONOV, A.Ia.

Isolation of tetanus toxin from the muscles and its
distribution in the body. Zhur. mikrobiol., epid. i immu.
(Leningrad) 1964, 10: 105-111. (MIRA 16:11)

L. Gilevskiy meditsinskiy institut imeni N.I. Pirogova.
Submitted March 2, 1964.

ROZANOV, A.Ya.; LERNER, F.S.

Phosphorylation of thiamine in the tissue of guinea pigs infected with tuberculosis, treated and untreated with tubazid. Probl. tub. 42 no.11:58-62 '64. (MIRA 18:8)

1. Laboratoriya biokhimii (rukovoditel') - kand.med.nauk A.Ya. Rozanov) Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza (direktor - kand.med.nauk M.A.Brusnikin)

ROZANOV, A.Ya.; TSITKO, T.M. [TSytko, T.M.]

Effect of thiamine on the labile phosphate level of adenosine triphosphate, adenosine diphosphate and other compounds in the tissues of guinea pigs. Ukr. biokhim. zhur. 37 no.3:386-390 '65. (MIRA 18:7)

1. Odesskiy nauchno-issledovatel'skiy institut tuberkuleza.

KIRILENKO, S.A.; MINERVIN, B.M.; ROBANOV, A.Ya.

Consequence of labeled tetanus toxin in the animal body. Zhur.
mikrobiol., epid. i immun. 41 no.9:123-129 S '64. (MIRA 18:4)

1. Odesskiy institut imeni Pirogova.

ROZANOV, A.Ya.

Chromatographic and electrophoretic study of thiamine- S^{35}
preparations. Vop med. Khim. 9 no. 3:294-297 My-Je '63.
(MIRA 17:9)

1. Kafedra biokhimi Odesskogo meditsinskogo instituta
imeni Pirogova.

SAVITSKIY, I.V.; ROZANOVA, A.L.; POLYAKOVA, L.Ye.

Effect of roentgen irradiation on phosphorylation of thiamine.
Vop. med. khim. 8 no.6:592-598 N-D '62. (MIRA 17:5)

1. Kafedra biokhimi Odesskogo gosudarstvennogo meditsinskogo
instituta imeni N.I. Pirogova.

ROZANOV, A.Ya.

Thiamine disulfide and allithiamine metabolism in the animal organism. Biokhimiia 27 no.4:641-650 J1-Ag '62. (MIRA 15:11)

1. Chair of Biochemistry, State Medical Institute, Odessa.
(FORMAMIDE) (THIAMINE)

ROZANOV, A.Yu.

Some problems in the study of the evolution of regular archaeocyathids.
Paleont.zhur. no.1:3-12 '63. (MIRA 16:4)

1. Geologicheskii institut AN SSSR.
(Archaeocyathidae)

BORISOV, V.A.; ROZANOV, A.Yu.

New data on the biostratigraphy of ancient formations in the Bateni Range. Dokl. AN SSSR 158 no.2:342-344 S '64.

(MIRA 17:10)

1. Geologicheskii institut AN SSSR i Krasnoyarskoye geologicheskoye upravleniye. Predstavleno akademikom D.V.Malivkinym.

MISSARZHEVSKIY, V.V.; ROZANOV, A.Yu.

Lower boundary of the Cambrian. Izv. AN SSSR. Ser. geol. 28
no. 2: 60-72 F '63. (MIRA 16:2)

1. Geologicheskii institut AN SSSR, Moskva.
(Paleontology, Stratigraphic)

ZHURAVLEVA, I.T.; KONYUSHKOV, K.N.; ROZANOV, A.Yu.; OBUT, A.M.,
otv. red.; BEZNOSOVA, G.A., red.

[Siberian Archaeocyathi; double-walled Archaeocyathi]
Arkheotsiaty Sibiri; tvustennye arkheotsiaty. Moskva,
Izd-vo "Nauka," 1964. 132 p. (MIRA 17:6)

DUBATOLOV, V.M.; SPASSKIY, N.Ya.; SOKOLOV, B.S., otv. red.; ROZANOV, A.Yu., red.

[Stratigraphic and geographic outline of Devonian corals in the U.S.S.R.] Stratigraficheskii i geograficheskii obzor devonskikh korallov SSSR. Moskva, Izd-vo "Nauka," 1964. 139 p. (MIRA 17:6)

1. Chlen-korrespondent AN SSSR (for Sokolov).

REPINA, L.N.; KHOMENTOVSKIY, V.V.; ZHURAVLEVA, I.T.; ROZANOV, A.Yu.;
SOKOLOV, B.S., otv. red.; VANIN, V.S., red.izd-va;
IL'INA, N.S., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Lower Cambrian biostratigraphy of the Sayan-Altai fold
area] Biostratigrafiia nizhnego kembriia Saiano-Altaiskoi
skladchatoi-oblasti. [By] L.N.Repina i dr. Moskva, Izd-vo
"Nauka," 1964. 363 p. (MIRA 17:3)

MISSARZHEVSKIY, V. V.; ROZANOV, A. Yu.

Morphology of the external walls of regular Archaeocyathus.
Paleont. zhur. no.2:34-44 '62. (MIRA 15:10)

1. Geologicheskii institut AN SSSR.

(Archaeocyathidae)

ZHURAVLEVA, I.T.; ROZANOV, A.Yu.

Age and conditions governing the formation of Archaeocyathidae
limestones in the Yenisey Basin (Biryusa and Bazaikha Rivers).
Geol. i geofiz. no.3:32-40 '62. (MIRA 15:7)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,
Novosibirsk i Geologicheskiy institut AN SSSR, Moskva.
(Yenisey Valley--Archaeocyathidae)
(Yenisey Valley--Limestone) (Geological time)

ROZANOV, A.Yu.; MISSARZHEVSKIY, V.V.

Morphology and ontogenesis of external murals of Archaeocyathidea.
Biol.MOIP.Otd.geol. 36 no.6:122 N-D '61. (MIRA 15:7)
(Archaeocyathidea)

OBUT, Aleksandr Mikhaylovich; SOBOLEVSKAYA, Rimma Fedorovna;
SOKOLOV, B.S., otv. red.; ROZANOV, A.Yu., red.

[Ordovician graptolites of the Taymyr Peninsula] Graptolity
ordovika Taimyra. Moskva, Izd-vo "Nauka," 1964. 91 p.
(MIRA 17:6)

1. Chlen-korrespondent AN SSSR (for Sokolov).

ROZANOV, A.Yu.

Some characteristics of the evolution of Archaeocyathidae. Biol.
MOIP.Otd.geol. 36 no.6:118-119 N-D '61. (MIRA 15:7)
(Archaeocyathidea)

KHOMENTOVSKIY, V.V.; ZHURAVLEVA, I.T.; REPINA, L.N.; ROZANOV, A.Yu.

Lower Cambrian in the Gornyy Altai. Izv.AN SSSR.Ser.geo. 27
no.3:55-71 Mr '61. (MIRA 15:2)

1. Geologicheskii institut AN SSSR, Moskva.
(Altai Mountains--Geology, Stratigraphic)

MENNER, V.V.; POKROVSKAYA, N.V.; ROZANOV, A.Yu.

"Upper Cambrian" archaeocyathid coral cenosis in the Tannu-Ola
Range (Tuva). Izv. AN SSSR. Ser. geol. 25 no.7:99-100 J1 '60.
(MIRA 13:10)

(Tannu-Ola Range--Corals, Fossil)

ROZANOV, A.Yu.

Taxonomic significance of internal cavity formations in archaeocyathids and individual development of their cups. *Biul.MOIP.Otd.geol.*
35 no.4:151 J1-Ag '60. (MIRA 14:4)
(Archaeocyathidae)

L 14919-63

EWT(1)/BDS/EEC(b)-2

AFPTC/ASD/ESD-3/RADC

P1-4/Pj-4

ACCESSION NR: AP3004091

S/0108/63/018/007/0049/0055

66

AUTHOR: Rozanov, B. A. (Member of the Society, see Association)

TITLE: Maximum bandwidth of nondegenerated parametric amplifier

SOURCE: Radiotekhnika, v. 18, no. 7, 1963, 49-55

TOPIC TAGS: parametric amplifier

ABSTRACT: A theoretical analysis is submitted of the maximum possible bandwidth of a nondegenerated semiconductor parametric amplifier. Optimum tolerances in matching the signal-frequency and difference-frequency circuits of the amplifier are considered. Approximate formulas for the maximum band are derived, as well as optimum values of the difference frequency and some parameters of the equivalent circuit. The analysis assumes an infinite number of matching sections in both the signal and the difference circuits. "In conclusion, the author wishes to thank A. M. Kugushev for his attention to this work

Card 1/2

L 14919-63

ACCESSION NR: AP3004091

and Yu. L. Khotuntsev for a useful discussion of the results." Orig. art. has:
4 figures and 22 formulas.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i
elektrosvyazi (Scientific and Technical Society of Radio Engineering and
Electrocommunication)

SUBMITTED: 12Jan63

DATE ACQ: 05Aug63

ENCL: 00

SUB CODE: CO

NO REF SOV: 000

OTHER: 005

Card 2/2

ROZANOV, B.G., kand. biolog. nauk.

Termites of tropical Burma. Priroda 52 no.9:63-67 '63.
(MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.

ROZANOV, B.G.; ROZANOVA, I.N.

Soils of the mountainous subtropics and the alpine regions
of Burma. Vest. Mosk. un. Ser. 6: Biol. pochv. 18 no.3:71-78
My-Je'63 (MIRA 17:7)

1. Kafedra pochvovedeniya Moskovskogo universiteta.

LIGOV, V.P.; MELOVIDOVA, N.Y.; ORLOVA, V.K.; ROZANOV, B.S.

Establishing erosion zones in Smolensk Province. Izv. Vses.
Geog. ob-va 97 no.52417-426 S-0 '65. (MIRA 18:11)

RCCANOV, B.G.

Soil map and land resources of Burma. Nauch.dokl.vys.shkoly; biol.
nauki no.3:182-188 '65. (MIRA 18:8)

1. Rekomendovana kafedroy pechvovedeniya Moskovskogo gosudarstvennogo
universitsta.

ROZANOV, B.G.

Characteristics of weathering processes in the tropics and
subtropics of Burma. Vest. Mosk. un. Ser. 6: Biol., pochv.
19 no.4:71-82 J1-Ag '64. (MIRA 17:12)

1. Kafedra pochvovedeniya Moskovskogo universiteta.

ROZANKOV, L. S.

ROZANKOV, B. G. - "The capacity for growing forest trees of the soils in the oak and spruce-and-hardwood forests of Belorussia." (Using the Beloveza Forest as an example). Moscow, 1955. Moscow Order of Lenin and Order of Labor Red Banner State University M. V. Lomonosov, Soil-Biology Inst. (Dissertations for degree of Candidate of Biological Sciences.)

SO: Knichnara letovis', No 18. 26 November 1955. Moscow.

ROZANOV, B.G.

Migration of iron and aluminum during soil formation under the forest canopy. Vest. Mosk. un. Ser. 6: Biol., pchv. 16
no.4:67-78 JI-Ag '61. (MIRA 14:7)

1. Kafedra pochvovedeniya Moskovskogo gosudarstvennogo universiteta.

(BYALOVEZHNSKA PUSHCHA--FOREST SOILS)
(SOILS--IRON CONTENT)
(SOILS--ALUMINUM CONTENT)

ROZANOV, B.G.

ROZANOV, B.G.

Nature of the bleached contact horizon of soils developed on two-membered rocks. Pochvovedenie no.6:16-23 Je '57. (MLRA 10:9)

1. Moskovskiy Gosudarstvennyy universitet.
(Soil formation)

ROZANOV, B.G., kand.biologicheskikh nauk

In far-away Burma. Priroda 50 no.6:86-90 Je '61. (MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Burma--Description and travel)

ROZANOV, B.G.; ROZANOVA, I.M.

Biological cycle of bamboo (*Bambusa* spp.) nutrients in the
tropical forests of Burma. Bot. zhur. 49 no.3:348-357
Mr '64. (MIRA 17:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

ROZANOV, B.G.; ROZANOVA, I.M.

Soils of the humid, tropical monsoon zone of Burma. Pochvovedenie
no.12:75-84 D '61. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.
(Burma--Soils)

ROZANOV, B.G.

Laterite and laterization. Nauch. dokl. vys. shkoly; biol. nauki
no.3:205-210 '63. (MIRA 16:9)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo
universiteta im. Lomonosova.

(Laterite)

ROZANOV, B.G.; ROZANOVA, I.M.

Soils of the arid tripeccal monsoon zone of Burma. Pochvovedenie
no.3:73-82 Mr '62. (MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Burma—Soils)

ROZANOV, B.G.

Age of the Red soils in Burma. Nauch. dokl. vys. shkoly; biol.
nauki no.4:214-217 '61. (MIRA 14:11)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo
universiteta im. M.V.Lomonosova.
(SHAN STATE, BURMA--SOILS, RED)

ROZANOV, A.Yu.

New species of Archaeocyathus of the family Dokidocyathidae.
Paleont.zhur. no.3:43-47 '60. (MIRA 13:10)

1. Geologicheskij institut Akademii nauk SSSR.
(Kidryasovo region--Archaeocyathidae)
(Tyrga Valley--Archaeocyathidae)

ROZANOV, B.G.

Brown forest soils of western White Russia. Vest. Mosk. un. Ser.
6: Biol., pochv. 16 no.2:55-66 Mr-Apr '61. (MIRA 14:5)

1. Kafedra pochvovedeniya Moskovskogo gosudarstvennogo universiteta.
(BYALOVEZHNSKA PUSHCHA—FOREST SOILS)

ROZANOV B.S.

M-9

Country : USSR
CATEGORY :

ABS. JOUR. : RZBIol., No. 19, 1958⁸, No. 87298

AUTHOR : Rozanov, B. S.
INST. : Tadzhik Scientific Research Institute of *
TITLE : Increasing the Winter Hardiness of Pomegranate.

ORIG. PUB. : Byul. nauchno-tekhn. inform. Tadzh. n.-i. In-t sadovodstva, vinogradarstva i **

ABSTRACT : At a temperature below - 15° the most winter hardy varieties of pomegranate show injury to one-year old shoots, at - 18° the 3-4 year old shoots are damaged, and at - 20° the entire above-ground portion of the pomegranate bush is winterkilled. Work on development of more winter hardy varieties of pomegranate, requiring no winter protection, was started in 1937 at the Denausskiy Control Station of the All-Union Scientific Research Institute of Arid Subtropics, by the method of individual selection of seedling plants of hybrids between different varieties, produced by free pollination. Analyses of the fruit of the first two crops of the young plants have shown that about 50% of them approximate in quality those of the maternal

CARD: 1/2

* Orchard Growing, Viniculture and Subtropical Crops.

ROZANOV, E. S.

Rozanov, E. S. "Experience in the surgical treatment of cancer of the chest section of the esophagus", Sbornik trudov, posvyashch. prof. Savinykh, Tomsk, 1948, p. 84-88.

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

ROZAN V, B. S.

Rozanov, B. S. "Transdiaphragmatic mediastinotomy as a way of draining the mediastinum through the abdominal cavity", Sbornik trudov, posvyashch. prof. Savin'kh, Tomsk, 1948, p. 204-11.

So: U-3261, 10 April 1953 (Ietopis 'Zhurnal 'niykh Statey , No. 12, 1949).

ROZANOV, E. S.

35555. Operatsii na Grudnom Otdete Pishchevoda Po Po Vodu Raka. V SB:
Voprosy Grudnoy Khirurgii. T. 111. M., 1949, c. 212-17.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskv., 1949

BOGOMOLOV, S. S.

Profuse stomach hemorrhages of an ulcerous character and their surgical treatment.
Moskov. Medits. 1950. 157p.

1. Peptic ulcer. 2. Hemorrhage.

Doc Med Sci

ROZANOV, B. S.

Dissertation: "Profuse Stomach Hemorrhages of the Ulcer Character and Their
Surgical Treatment."
25/4/50

Central Inst for Advancement of Physicians

SO Vecheryaya Moskva
Sum 71

ROZANOV, B.S.

Results of surgical therapy of perforating gastric ulcers according to data
of the Sklifosovskii Institute covering 30 years. Khirurgiia no.7:12-15
Jl '53. (MLRA 6:9)

(Stomach--Ulcers)

BAKULEV, A.N.; KUPRIYANOV, P.A.; PRIOROV, N.N.; PETROVSKIY, B.V.;
ARAPOV, D.A.; ROZANOV, B.S.

Active member of the Academy of Medicine and winner of the Stalin's
prize, Professor Sergei Sergeevich Iudin) Khirurgiia no.9:84-86
S '54. (MLRA 7:12)

(IUDIN, SERGEI SERGEEVICH, 1891-1954)

ROZANOV, B.S. professor; RUDERMAN, A.I., kandidat meditsinskikh nauk.

Surgery and radiotherapy in cancer of the thoracic esophagus.
Khirurgiiia no.10:13-19 0 '55. (MLRA 9:2)

1. Iz 3-y kafedry klinicheskoy khirurgii (zav.-prof. B.S. Rozanov)
TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P.
Lebedeva) i rentgenoterapevticheskogo otdeleniya (zav.-prof. L.D.
Podlyashuk) TSentral'nogo instituta rentgenologii i radiologii imeni
V.M. Molotova (dir. I.G. Lagunova)

(ESOPHAGUS, neoplasms)
thoracic, surg. & radiother.)
(RADIOTHERAPY, in various dis.
cancer of thoracic esophagus)

USSR/General Problems of Pathology - Tumors. Comparative
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 6, 1959, 27430

Author : Rozanov, B.S.

Inst : ..
Title : The Results of Surgical Treatment of Patients with
Carcinoma of the Thoracic Part of Esophagus (Analysis
of Own Observations for the Duration of Ten Years).

Orig Pub : Novyy khirurg. arkhiv, 1956, No 2, 39-46

Abstract : No abstract.

Card 1/1

- 20 -

ROZANOV, B.S., professor (Moskva)

Tactics in acute pancreatitis. Sov.med. 21 no.4:37-44 Ap '57.
(PANCREATITIS, ther. (MLBA 10:7)
in management of acute cases)

ROZANOV, B.S., prof.

Reconstructive surgery of the extrahepatic bile ducts [with summary
in English]. Khirurgiia 34 no.8:3-10 Ag '58 (MIRA 11:10)

1. Iz 3-y kafedry khirurgii (zav. - prof. B.S. Rozanov) Tsentral'nogo
instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva) i
khirurgicheskoy kliniki bol'nitsy imeni S.P. Botkina (glavnyy
vrach - prof. A.N. Shabanov).

(BILE DUCTS, surg.
extrahepatic, reconstruction (Rus))

ROZANOV, B.S., prof. (Moskva)

Review of S.I. Babichev's book "Total gastrectomy." Vest. khir. no. 7:
146-147 J1 '64. (MIRA 1824)

ROZANOV, B.S., prof.; ZAKARAYA, K.A.

Fat diet in the treatment of pancreatic fistulae and acute
pancreatitis. Khirurgiia 40 no.4:55-58 Ap '64 (MIRA 18:1)

1. 1-ya kafedra khirurgii Tsentral'nogo instituta usovershen-
stvovaniya vrachey i khirurgicheskaya klinika (zav. - prof.
B.S. Rozanov) bol'nitsy imeni S.P. Botkina, Moskva.

GAYVORONSKAYA, Zinaida Vkhaylovna [deceased]; ZAPRYAGAYEVA,
Vera Ivanovna; ISMAILOV, Makhmud Ismailovich; ROZANOV,
Boris Sergeevich; RASULOVA, M.R., otv. red.

[Nut trees in Tajikistan] Orekhoplodnye v Tadjhikistane.
[By] Z.M.Gaivoronskaia i dr. Dushanbe, Izd-vo AN Tadjhik SSR
1965. 100 p. (MIRA 18:6)

AMINEV, A.M., prof.; BEREZOV, Ye.L., prof.; BISENKOV, N.P., kand. med. nauk; BRAYTSEV, V.R., prof.; DEYNEKA, I.Ya., prof.; DYSKIN, Ye.A., kand. med. nauk KAZANSKIY, V.I., prof.; KARAVANOV, G.G., prof.; LEVIN, M.M., prof.; MAKSIMENKOV, A.N., prof.; MAYAT, V.S., prof.; NAPALOV, P.N., prof.; ROZANOV, B.S., prof.; RUSANOV, A.A., prof.; RUSANOV, G.A., kand. med. nauk; FILATOV, A.N., prof.; CHUKHRIYENKO, D.P., prof.; SHILOVTSEV, S.P., prof.; PETROVSKIY, B.V., prof., otv. red.; MEL'NIKOV, A.V., prof., red. toma; SUVOROVA, T.A., dots., red.; MIROTVORTSEVA, K.S., red.; RULEVA, M.E., tekhn. red.

[Multivolume manual on surgery] *Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz. Vol.7. [Surgery of the abdominal wall and organs of the abdominal cavity, the stomach and intestines] Khirurgiya briushnoi stenki, organov briushnoi polosti-zheludka i kishechnika. 1960. 746 p. (MIRA 15:3)*

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Braytsev, Petrovskiy, Mel'nikov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Maksimenkov, Filatov).
(ABDOMEN—SURGERY)

ROZANOV, Boris Sergeevich; GENIN, N.M., red.; SENCHILO, K.K.,
tekh. red.

[Foreign bodies and esophageal injuries and complications connected with them] Inorodnye tela i travmy pishchevoda i svyazannye s nimi oslozhneniia. Moskva, Medgiz, 1961. 160 p.
(MIRA 15:7)

(ESOPHAGUS--FOREIGN BODIES)

ROZANOV, B.S., prof.; TOPCHIASHVILI, Z.A., kand.med.nauk

Neoplasms of insular tissue of the pancreas. Khirurgiia 37
no.2:3-9 F '60. (MIRA 14:1)

1. Iz 1-y kafedry khirurgii Tsentral'nogo instituta usovershenstvovaniya vrachey i khirurgicheskoy kliniki (zav. - zasluzhennyi deyatel' nauki prof. B.S. Rosanov) Klinicheskoy ordena Lenina bol'nitsy imeni S.P. Botkina (glavnyy vrach - prof. A.N. Shabanov).
(PANCREAS—TUMORS)

ROZANOV, B.S., prof.

Clinical aspects and treatment of islet adenomas (insulomas) of
the pancreas. Vest.khir. no.10:113-117 '61. (MIRA 14:10)

1. Iz 1-y kafedry khirurgii (zav. - prof. B.S. Rozanov) Tsentral'no-
nogo instituta usovershenstvovaniya vrachey (dir. - M.D. Kovrigina)
na baze khirurgicheskoy kliniki bol'nitsy im. S.P. Botkina. (glav.
vrach - dots. Yu.G. Antonov).
(PANCREAS--TUMORS)

YUDIN, Sergey Sergeevich, prof.[deceased]; GOLIKOVA, M.P.; ARAPOV
D.A., prof., red.; DAVYDOVSKIY, I.V., red.; MEL'NIKOV, A.V., red.
[deceased]; PRIOROV, N.N., red.[deceased]; ROZANOV, B.S., red.;
TARASOV, M.M., red.; OSTROVSKAYA, L.S., red.; FEL'CHIKOVA, Yu.S.,
tekhn. red.

[Selected works; surgery of peptic ulcer of the stomach and neuro-
humoral regulation of gastric secretions in man] Izbrannye proizvede-
niia; khirurgiia iazvennoi bolezni zheludka i neuro-gumoral'naia regu-
liatsiia zheludochnoi sekretsii u cheloveka. Moskva, Medgiz, 1962.
(MIRA 15:3)
364 p.

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Arapov).
(PEPTIC ULCER) (STOMACH--SECRETIONS) (NEUROCHEMISTRY)
(INTESTINES--OBSTRUCTIONS)

YUDIN, S.S., prof.; GOLIKOVA, M.P.; ARAPOV, D.A., prof. red.; DAVYDOVSKIY, I.V., red.;
MEL'NIKOV, A.V., red. [deceased]; PRIOROV, N.N., red.; ROZANOV, B.S.,
red.; TARASOV, M.M., red.; OSTROVSKAYA, L.S., red.; BEL'CHIKOVA, Yu.S.,
tekhn. red.

[Selected works; problems in military field surgery and the transfusion
of cadaveric blood] Izbrannye proizvedeniia; voprosy voennó-polevoy
khirurgii i perelivanie posmertnoi krovi. Moskva, Medgiz, 1960. 553 p.
(MIRA 15:1)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Arapov).
(SURGERY, MILITARY) (BLOOD--TRANSFUSION)

ROZANOV, B.S.

Threatened repeated hemorrhages in peptic ulcer of the large intestine
after esophagoplasty. Khirurgiia 35 no.9:67-70 '59. (MIRA 13:12)
(PEPTIC ULCER) (ESOPHAGUS—SURGERY)
(COLON (ANATOMY)—SURGERY)

ROZANOV, B. S., and PANCHENKOV, R. T. (Moscow)

Chirurgie du pancreas endocrine.
report submitted for the 19th ~~Int~~ Congress of the Society of Surgeons,
Dublin, Ireland, 2-9 Sept 1961.

BOZANOV, B. S.

"Foreign Bodies in the Esophagus and the Ensuing Complications."

Report submitted for the 27th Congress of Surgeons of the USSR, Moscow, 23-28 May 1960.

ROZANOV, Boris Sergeevich; OSTROVSKAYA, L.S., red.; BEL'CHIKOVA, Yu.S.,
tekhn.red.

[Gastric hemorrhages and their surgical treatment] Zheludochnye
krovotечения i ikh khirurgicheskoe lechenie. Moskva, Gos.izd-vo
med.lit-ry, 1960. 195 p. (MIRA 13:12)
(HEMORRHAGE) (STOMACH--SURGERY)

ROZANOV, B.V., kandidat tekhnicheskikh nauk; GOL'MAN, L.D., kandidat tekhnicheskikh nauk; ZIMIN, A.I., professor [redaktor].

Hydraulic presses (theory and elements of calculation). B.V.Rozanov, L.D. Gol'man, ed. by A.I.Zimin. [Trudy] TsNIITMASH no.54:3-171 '53.

(MLBA 6:9)

(Hydraulic presses)

L 33966-65 EWT(d)/EWT(m)/EWA(d)/EWP(v)/EWP(t)/EWP(h)/EWP(l)/EWA(c)

Pf-4 JD/HW

ACCESSION NR: AR5005708

S/0276/64/000/010/V004/V004

30
B

SOURCE: Ref. zh. Tekhnol. mashinostr. Sv. t., Abs. 10V23

AUTHOR: RozaNov, B.V.; Shofman, L.A.; Gol'man, L.D.; Maksimov, L.Yu.;
Rozhkov, V.M.; Andreyev, A.S.; Shcheglov, V.F.; Tokarskiy, A.P.

TITLE: Development of powerful forging presses and new pressure metalworking methods

CITED SOURCE: Tr. Vses. no.-1. 1 proyektno-konstrukt. in-ta metallurg. mashinostr.,
sb. 12, 1964, 353-391

TOPIC TAGS: pressure metalworking, hydraulic press design, hammer design

TRANSLATION: The article surveys the activities of VNIMETMASH from its inception. Described are designs of hydraulic presses and hammers developed at the Institute, as well as new technological processes for pressure metalworking (including hydrostatic techniques) Bibl. with 21 titles; 26 illustrations. /8

SUB CODE: IE, MM

ENCL: 00

Card 1/1

KAZOVSKIY, Lev Yevseyevich; SHCHEGLOV, V.F., kandidat tekhnicheskikh nauk,
retsensent; ROZANOV, B.V., kandidat tekhnicheskikh nauk, redaktor;
MATVEYEVA, Ye.N., tekhnicheskii redaktor

[Installation and adjustment of hydraulic presses] Montazh i naladka
gidravlicheskih pressov. Moskva, Gos. nauchno-tekhn. izd-vo mashino-
stroit. lit-ry, 1956. 174 p. (MLRA 9:8)
(Hydraulic presses)

Rozanov, B. V.

AID P - 4298

Subject : USA/Engineering
Card 1/1 Pub. 128 - 23/25
Author : Rozanov, B. V., Kand. Tech. Sci.
Title : Review of foreign literature
Periodical : Vest. mash., #2, p. 77-86, F 1956
Abstract : The new, large and very powerful hydraulic presses built in the USA are reviewed as reported in the American journals. Diagrams, photos. 20 references.
Institution : None
Submitted : No date

ROZANOV, Boris Vasil'yevich; BUNDIN, A.T., kand.tekhn.nauk, red.;
MEZHOVA, V.A., izd.red.; MODEL', B.I., tekhn.red.

[Hydraulic presses] Gidravlicheskie pressy. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 427 p.
(MIRA 12:6)

(Hydraulic presses)

ROZANOV, B.V.; GOL'MAN, L.D.; MAKSIMOV, L.Yu.

Selecting optimum pressure for hydraulic and pneumatic cylinders.
Kuz.-shtam.proizv. 1 no.1:22-24 Ja '59. (MIRA 12:10)
(Power presses--Hydraulic driving)
(Power presses--Pneumatic driving)

ROZANOV, B.V.; GOL'MAN, L.D.; MAKSIMOV, L.Yu.

Stress analysis of hydraulic press cylinders. Kuz.-shtan. proizv.
l no.7:19-25 J1 '59. (MIRA 12:10)
(Hydraulic presses)

SOV/122-59-6-15/27

AUTHORS: Rozanov, B.V., Candidate of Technical Sciences and
Minin, V.A., Engineer

TITLE: Problems of Power in a Hydraulic Press Transmission

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 6, pp 52-55 (USSR)

ABSTRACT: In a modern powerful pumping installation for a hydraulic press, an improvement of 1% in efficiency may save 100 000 roubles per annum and reduce the cooling requirements. In the definition of efficiency, the pump idling power is counted among the losses. The utilisation factor becomes a primary consideration. Typical load graphs are shown and the principal quantities describing pumping plant for non-Russian press installations are listed in the table, namely, incorporating "Southwark" and "Worthington" (USA), "Balke" (Germany) and "Sigma-Lutin" (Czechoslovakia) pumps. A typical powerful installation may have an efficiency of 79% and the cost of driving the pumps when idling may amount to one million roubles per annum. Ways of improving the efficiency so defined are discussed. Splitting up the pumping

Card1/3

SOV/122-59-6-15/27

Problems of Power in a Hydraulic Press Transmission

installation into small units to match the idling hydraulic power closely to the required power is considered impractical owing to complexity of control equipment. Splitting into large units involves the problem of starting currents in powerful induction motors. Synchronous motors may be economical but frequent starting uses up switchgear. The starting and stopping of the pumps by controllable clutches is preferred as proved by tests carried out at the Izhorskiy zavod (Izhora Works). Friction clutches with hydraulic actuating (Figure 3) and hydraulic couplings (Figure 4) are considered. The illustrated multi-disc friction clutch, with coil spring pressure for engagement and hydraulic cylinders for disengagement is cooled with hydraulic oil but recommended only for slow speed pumps. For higher speeds, hydraulic couplings combined with friction clutches are considered, which are said to accelerate the pump up to 85% nominal speed, at which speed the friction clutch is engaged. A reduction of losses due to residual torque by a factor of 4 is claimed,

Card2/3

SOV/122-59-6-15/27

Problems of Power in a Hydraulic Press Transmission

made possible by a reduction of 40% in the size of the hydraulic coupling. The slip loss under load is eliminated. Broadly, a multi-disc clutch is arranged between the driving and driven wheels of the hydraulic coupling. The unit is controlled by a system incorporating a centrifugal governor and a level detector in the accumulator of the pumping installation. The control action includes the filling of the fluid flywheel to accelerate the pump, the engagement of the friction clutch and the emptying of the fluid flywheel. Operation without accumulators is possible with centrifugal pumps and may be another means of improving plant efficiency. Sulzer pumps of German origin with a delivery of 6 tons/min and a pressure of 320 kg/cm^2 reach 80% efficiency. There are 5 figures and 1 table.

Card 3/3

SOV/28-59-1-15/29

AUTHORS: Rozanov, B. V., Candidate of Technical Sciences and
~~Lints, V. P., Engineer~~

TITLE: Herringbone Sealings for Reciprocal Movements
(Shevronnyye uplotneniya dlya vozvratno-postupatel'nykh dvizheniy.)

PERIODICAL: Standartizatsiya, 1959, ^{13,} Nr 1, pp 43 - 44 (USSR)
^

ABSTRACT: The Committee of Standards, Measures and Measuring Devices approved the new standard "Rubber-Cloth Herringbone Sealings", for cups, pressure and supporting rings from rubberized tissue designed to secure the hermeticity of sealing of the reciprocal movements of plungers and pistons of hydraulic presses and other hydraulic installations working on water, emulsion or mineral oil at a pressure up to 500 kg/sq cm and at a temperature of -30 up to +70°C. There is 1 diagram.

ASSOCIATION: TsNIITMASH

Card 1/1

SOV/122-59-2-15/34

AUTHOR: Rozanov, B.V., Candidate of Technical Sciences
TITLE: Approximate Calculations for the Hydraulic Systems of
Vertical Presses with Pump and Accumulator Drive
(Priblizhenny raschet elementov gidrosistemy
vertikal'nogo pressa s nasosno-akkumulyatornym
privodom)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 2, pp 44-47 (USSR)

ABSTRACT: Rapid action hydraulic forging and forming presses are usually provided with a balance accumulator and filling reservoir system for transfer of hydraulic pressure to the working ram, or the return and balance rams, as depicted in Fig 1. Calculation of the diameters of the feed and return pipes to these various rams requires that the maximum and minimum pressures in the filling reservoir and balance accumulator are fixed then, given the weight of the working ram and crosshead tools etc, the diameter of the working ram, the desired maximum speed of closing and return strokes (usually taken as equal), the diameters of the return and the balancing ram can be calculated from Eq (1) and (2). Given these, the necessary diameters for the pipes to and

Card 1/3

SOV/122-59-2-15/34

Approximate Calculations for the Hydraulic Systems of
Vertical Presses with Pump and Accumulator Drive

from the rams can be found from Eq (4) and (5) which are reduced to Eq (7) containing the coefficients a and b which take into account the lengths of the pipes and coefficients of fluid resistance. This fifth power equation can be solved graphically. The speed of fluid flow in the pipes, v_t , must be checked by formula (6) to ensure that the maximum value will not permit shock waves and that there is adequate reserve of strength. Maximum crosshead speed is calculated assuming zero pressure in the balance accumulator. At any given actual pressure in the accumulator the crosshead speed can be found from Eq (8). An example is worked out for a 10,000 ton press. The solution of Eq (7) for diameters of all flow and return pipes with assumed resistance coefficients is shown in Fig 2. Crosshead speeds for different balance accumulator pressures calculated from Eq (8) are plotted in Fig 3. Pipeline diameters and

Card 2/3

SOV/122-59-2-15/34

Approximate Calculations for the Hydraulic Systems of Vertical
Presses with Pump and Accumulator Drive

flow velocities are tabulated. There are 3 figures,
1 table and 2 Soviet references.

Card 3/3

ROZANOV, (S) V

PHASE I BOOK EXPLOITATION

SOV/4264

Unksov, Yevgeniy Pavlovich and Boris Vasil'yevich Rozanov

Kuznechno-pressovoye oborudovaniye (Pressure-Working Equipment) Moscow, Mashgiz, 1960. 53 p. (Series: Sovetskoye mashinostroyeniye v 1959-1965 gg.) 6,000 copies printed.

Ed. of Publishing House: N.S. Stepanchenko; Tech. Eds.: Z.I. Chernova and G. Ye. Sorokina; Ed. of Series: I.I. Changli; Managing Ed. for Literature on Heavy Machine Building (Mashgiz): S. Ya. Golovin, Engineer.

PURPOSE: This booklet is intended for engineers, foremen and workers engaged in the production and operation of pressure-working equipment.

COVERAGE: The authors present a brief description of the basic designs of pressure-working equipment now in use or being manufactured. Prospects for the future development of this type of machinery are outlined. No personalities are mentioned. There are 6 references, all Soviet.

Card 1/3

KARNATSKIY, Yuriy Ivanovich; KOROVIN, Yevgeniy Akimovich; ROZANOV,
B.V., doktor tekhn. nauk, retsenzent

[Fumped-storage electric power plants; their construction
and design] Nasosno-akkumuliatornye stantsii; konstruktsiia
i raschet. Moskva, Mashinostroenie, 1965. 243 p.

(MIRA 19:1)

I 11133-66 EMT(a) / EMT(m) / EWP(k) / EWP(h) / EWP(l) / EWP(v) / EWP(t) / EPI LJP(c) EW/JD
SOURCE CODE: UR/0413/66/000/013/0010/0010

ACC NR: AP6025581

INVENTOR: Rozanov, B. V.; Baturin, A. I.

ORG: none

TITLE: A die for extruding shapes and tubes. Class 7, No. 183170

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 10

TOPIC TAGS: ^{metal}extrusion, hot extrusion, cold extrusion, combined extrusion, ~~shape~~ ^{metal}extrusion, tube, extrusion die

ABSTRACT: This Author Certificate introduces a die for extruding shapes and tubes (see Fig. 1). In order to combine hot and cold extrusion in one step and thus increase the output, the die consists of two parts with thermal insulation between them. The part adjoining the container

Card 1/2

UDC: 621.777.073

36B

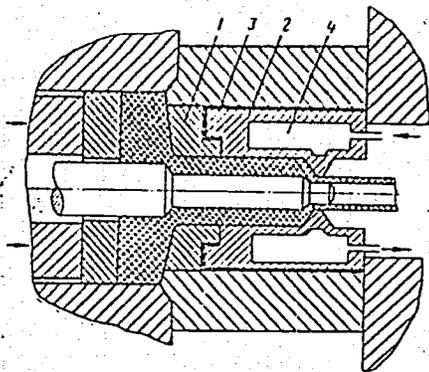
16

18

18

L 41133-46

ACC NR: AP6025581



is used for hot extrusion. The other part is cooled with a liquid and is used for cold extrusion. Orig. art. has: 1 figure. [WW]

SUB CODE: 11, 13/ SUBM DATE: 24Apr64
ATD PRESS: 5054

Fig. 1. Die for extruding shapes and tubes

- 1 - Die for hot extrusion;
- 2 - liquid cooled die for cold extrusion;
- 3 - insulation;
- 4 - ring shaped channel for coolant.

Card 2/2 hs

L 10417-67 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(o)
ACC NR: AP6029955 (A,N) JD/HW SOURCE CODE: UR/0413/66/.00/015/0134/0135 26

INVENTORS: Nistratov, A. F.; Popov, A. K.; Gusev, L. S.; Rozanov, B. V.; Pobedin,
I. S.

ORG: none

TITLE: An instrument for deep piercing of ingots. Class 49, No. 184592
/announced by All-Union Scientific Research and Design-Construction Institute of
Metallurgical Machine Construction (Vsesoyuznyy nauchno-issledovatel'skiy i
proyektno-konstruktorskiy institut metallurgicheskogo mashinostroyeniya)

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 134-135

TOPIC TAGS: metallurgic machinery, metalworking machinery

ABSTRACT: This Author Certificate presents an instrument for deep piercing of
ingots. The instrument includes a container, an immobile piercing needle, and a
movable centering disk (see Fig. 1). To increase the accuracy of piercing, the
container is made up of two parts, the immovable one (carrying the centering disk
and the piercing needle) and the movable one (carrying the working plunger).

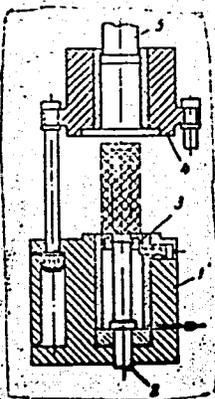
UDC: 621.735.6.06

Card 1/2

L 10417-67

ACC NR: AP6029955

Fig. 1. 1 - lower part of the container; 2 - piercing needle; 3 - centering disk; 4 - upper part of the container; 5 - working plunger



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 08Feb64

Card 2/2 ^{6/10}

ACC NR: AP6032534

SOURCE CODE: UR/0413/66/000/017/0141/0141

INVENTOR: Tselikov, A. I.; Rozanov, B. V.; Nistratov, A. F.; Gol'man, L. D.; Maksimov, L. Yu.; Pobedin, I. S.; Fridman, A. Z.; Kitain, R. S.; Kurovich, A. N.; Nadtochenko, A. F.; Kaganovskiy, F. I.; Kozhevnikov, V. F.; Zonenko, V. V.

ORG: none

TITLE: Hydraulic press reinforced with wire wrapping. Class 58, No. 185696 [announced by the All-Union Scientific Research Institute for the Planning and Design of Metallurgical Machinery (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut metallurgicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obratzsy, tovarnyye znaki, no. 17, 1966, 141

TOPIC TAGS: hydraulic press, reinforced hydraulic press, *HYDRAULIC EQUIPMENT, METAL PRESS*

ABSTRACT: This Author Certificate introduces a hydraulic press reinforced (see Fig. 1) with wire wrapping. The press includes a cylinder, housing consisting of upper end lower crossmembers and columns with a concave oval-shaped outside surface which makes it possible to wind a reinforcing band or wire around the housing. To improve the technical and economic characteristics and the reliability of the press at the same main parameters, the housing is provided with stiffening ribs located

Card 1/2

UDC: 621.226

ACC NR: AP6032534

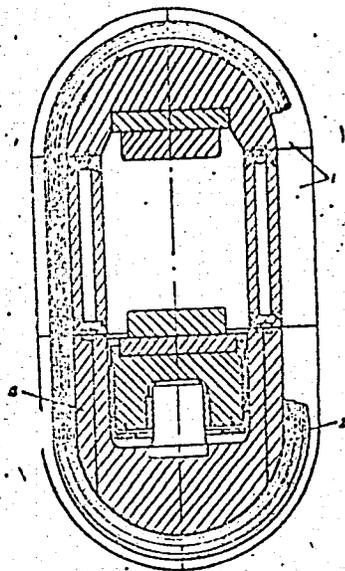


Fig. 1. Hydraulic press reinforced with wire wrapping

- 1 - Stiffening ribs; 2 - wrapping;
- 3 - lower crossmember.

between the wrapping, and the lower crossmember of the press is laminated and serves as a hydraulic cylinder. Orig. art. has: 1 figure.

SUB CODE: SUBM DATE: 20Aug64/

Card 2/2

ACC NR: AP6032530

SOURCE CODE: UR/0413/66/000/017/0131/0131

INVENTOR: Gusev, L. S.; Zimin, Yu. A.; Nistratov, A. F.; Pobedin, I. S.;
Popov, A. K.; Rozanov, B. V.; Tokarskiy, A. P.; Kholin, Yu. T.; Tulyankin, P. V.;
Sncheglov, V. F.; Yanovski, V. A.

ORG: none

TITLE: Drive of a high-speed counterblow hammer. Class 49, No. 185669 [announced
by the All-Union Scientific Research Institute for the Planning and Design of
Metallurgical Machinery (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-
konstruktivskiy institut metallurgicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obratzsy, tovarnyye znaki, no. 17, 1966, 131

TOPIC TAGS: metal forming machine tool, forging machinery, metal press

ABSTRACT: This Author Certificate introduces a drive of a high-speed counterblow
hammer, which includes a high-pressure cylinder and a piston with a sliding sealing
bushing. To improve the operational characteristics and efficiency of the hammer,
the bushing, placed in a lower part of the cylinder, has a circular groove inside,
into which oil is pumped under pressure equal to that of the gas in the cylinder,
thus forming a layer which serves the dual purpose of sealing and lubrication. Orig.
art. has: 1 figure.

SUB CODE: 11, 13/ SUBM DATE: 22May64/
Card 1/1

UDC: 621.974.4-82

MOROZOV, B.A., doktor tekhn. nauk; ROZANOV, B.V., kand. tekhn.
nauk, retsenzent; BULATOV, S.I., inzh., red.izd-va;
UVAROVA, A.F., tekhn. red.

[Modeling and strength of metallurgical machinery] Modeli-
rovanie i prochnost' metallurgicheskikh mashin. Moskva,
1963. 286 p. (MIRA 17:3)

45245

S/771/61/000/000/006/006

11310
AUTHOR: Rozanov, B.V., Candidate of Technical Sciences.

TITLE: Hydraulic presses.

SOURCE: Sostoyaniye kuznechno-shtampovochnogo proizvodstva.
Ed. by V.T. Meshcherin. Moscow, VINITI, 1961, 293-322.

TEXT: The paper provides a state-of-the-art report on metal-forming hydraulic presses (HP) which have afforded increased competition to drop-forging hammers. The present abstract is focused primarily on Soviet data. The advantages of HP over hammers are briefly described. Recent advances are shown to be in the development of specialized HP and increasing power. A cross-sectional view shows the 9,600-ton HP with rubber backing produced by the Kolomenskoye plant for heavy mill and HP equipment. USSR and USA have recently produced powerful HP for the forging of Dural and Mg-alloy parts for aircraft. In 1955-56 the USA produced 2 HP with a force of 31,500 t and two of 45,000 t; Uralsmashzavod built a 30,000-t HP. The problems encountered in the construction of such large presses (casting of large steel parts, welding of thick metals, heat treatment of weldments, etc.) are summarized. Experience of TsNITMash (Central Scientific Research Institute of Machine Technology) confirms that actual stresses in the

Card 1/4